

**CLAIMS**

1. A remote station apparatus comprising:
- 2           a link quality estimation unit operative to generate a link quality  
estimate in response to a first power control instruction  
4           received on a common channel; and  
a power control unit coupled to the link quality estimation unit, the  
6           power control unit operative to generate a second power  
control instruction in response to the link quality estimate.
2. The remote station apparatus of claim 1, wherein the remote station  
2           apparatus controls transmission power in response to the first power  
control instruction.
3. The remote station apparatus of claim 1, wherein the remote station  
2           apparatus transmits the second power control instruction.
4. A base station apparatus comprising:
- 2           a decoder; and  
a determination unit coupled to the decoder, the determination  
4           operative to determine a power control instruction for base  
station transmission on a common channel; and  
6           an adjustment unit coupled to the determination unit, the adjustment  
unit operative to adjust a power level of the power control  
8           instruction.
5. A base station apparatus comprising:
- 2           a control processor for power control of transmission of power  
control instructions on a common channel; and  
4           an amplifier operative to adjust a power level of the power control  
instructions.

6. A wireless communication system comprising:
- 2 a first power control unit operative to transmit reverse link power  
control instructions on a common channel; and
- 4 a second power control unit operative to adjust transmission power  
of the reverse link power control instructions in response to
- 6 forward link power control instructions received on a reverse  
link.
7. A method for power control in a wireless apparatus operative in a
- 2 communication system having a forward link and a reverse link, the system  
transmitting power control bits on a forward link common channel, the
- 4 method comprising:
- measuring a SNR of at least one power control bit for controlling a
- 6 reverse link; and
- determining a power control decision for the forward link based on
- 8 the SNR.
8. A method for power control in a wireless communication system, the
- 2 system having a forward link and a reverse link, the system transmitting  
power control instructions on a forward link common channel, the method
- 4 comprising:
- determining a first power control instruction for control of the reverse
- 6 link;
- in response to receiving a second power control instruction on the
- 8 reverse link, the second power control instruction for control of  
the forward link, determining a first transmission power level;
- 10 and
- transmitting the first power control instruction at the first
- 12 transmission power level on the common channel.
9. A method for power control in a wireless communication system, the
- 2 system having a forward link and a reverse link, the system transmitting

power control instructions on a forward link common channel, the method  
4 comprising:

generating a reverse link power control instruction;

6 generating a forward link power control instruction; and

adjusting a power level for transmission of the forward link power

8 control instruction according to the reverse link power control  
instruction.

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